

A DEVICE AGE DETERMINATION CIRCUIT

ABSTRACT OF THE DISCLOSURE

A device age determination circuit. Circuits are located on a device,
5 including a first circuit operating at a first duty cycle and generating a first output
and a second circuit operating at a second duty cycle different from said first
duty cycle and generating a second output. A measuring circuit determines a
difference in the first output and the second output, wherein the difference
indicates an age of the device. The age is a representation of how much
10 degradation the device has been exposed to, and allows for dynamic
adjustment of operating parameters of the device to optimize performance.